

**Amendments to the claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**In the claims:**

1-28. (Canceled)

29. (Currently amended) A method of differentiating a hematopoietic stem cell into a mature natural killer cell, comprising

(i) ~~incubating differentiating~~ the hematopoietic stem cell in an incubator to produce premature NK cells;

(ii) treating the premature NK cells with a composition comprising an effective amount of ferritin H chain gene of SEQ ID NO:49 ~~and IL-15 protein~~ *in vitro*.

30-37. (Canceled)

38. (Currently amended) A method of differentiating a premature natural killer cell into a mature natural killer cell, comprising treating the premature natural killer cells[.] with a composition comprising an effective amount of ferritin H chain gene of SEQ ID NO:49 ~~and IL-15 protein~~ *in vitro*.

39. (Canceled)